

RESULTS: 1
AI978199/c AI978199 442 bp mRNA EST 27-AUG-1999
LOCUS: 614041D10.x2 614 - root cDNA library from Walbot Lab; Zea mays cDNA,
DEFINITION: mRNA sequence.
ACCESSION: AI978199
VERSION: AI978199.1 GI:5791407
KEYWORDS: EST.
SOURCE: Zea mays.
ORGANISM: Zea mays
 Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;
 Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae
 Andropogoneae; Zea.
REFERENCE: 1 (bases 1 to 442)
AUTHORS: Walbot, V.
TITLE: Maize ESTs from various cDNA libraries sequenced at Stanford
UNIVERSITY: University
JOURNAL: Unpublished (1999)
COMMENT: Contact: Walbot V
 Department of Biological Sciences
 Stanford University
 855 California Ave, Palo Alto, CA 94304, USA
 Tel: 650 723 2227
 Fax: 650 725 8221
 Email: walbot@stanford.edu
 Plate: 614041 row: D column: 10.
FEATURES:
 source Location/Qualifiers
 1..442
 /organism="Zea mays"
 /cultivar="W23"
 /db_xref="taxon:4577"
 /clone_lib="614 - root cDNA library from Walbot Lab"
 /tissue_type="root"
 /dev_stage="3-4 days old"
 /lab_host="XL0LR"
 /note="Organ: root; Vector: pBlueScriptII SK+; Site_1:
 EcoRI; Site_2: XhoI; 3-4 days old root tissue from Walbot
 Lab (LM)"
BASE COUNT: 126 a 107 c 93 g 116 t
ORIGIN:

Query Match 99.5%; Score 331.4; DB 104; Length 442;
 Best Local Similarity 99.7%; Pred. No. 5e-85;
 Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 1 tgataatcttgcctccttggaacgagggtccacttgggctctttaagggcgatcc 60
Db 400 TGATAATCTTGTCCATCCTTGGAACGAGGGTCCACTTGGGCTCTTAAGGGCGGATCC 341
Qy 61 ccggcttcttctggattgctcctcttggagcaatgaacttgcaggctatgagcttgcca 120
Db 340 CCCGCTTCTTCTGGATTGCTCCTCTTGGAGCAATGAACCTTGCAGGCTATGAGCTTGCCA 281
Qy 121 agaaggcgaatgataaaagatgagaaaaattccagtgagtcaacacgagagatcttgccaa 180
Db 280 AGAAGGCAATGATAAAGATGAGAAAAATTCCAGTGAGTCAACACGAGAGATCTTGCCAA 221
Qy 181 gaaagcagtgatcaaccatgcaactttttttattttttttgggtccatgttgagagaa 240
Db 220 GAAAGCAGTGATCAACCATGCAACTTTTTTATTATTTTGGGTCCATGTTGCAGAGAA 161
Qy 241 gcaacagaacatctgcctttttttgatattgggaattacattcccgtagggccttgagat 300
Db 160 GCAACAGAACATCTGCCTTTTTTGATATTGGGAATTACATTCCCGTAGGGCCTTGAGAT 101
Qy 301 ggctgtatagtatacattacatgagaaaagtgc 333
Db 100 GGCTGTATAGTATACATTACATGAGAAAAGTGC 68
  
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AI734448/c
 LOCUS AI734448 582 bp mRNA EST 02-FEB-2000
 DEFINITION 606031E07.x1 606 Ear tissue cDNA library from Schmidt lab Zea mays cDNA, mRNA sequence.
 ACCESSION AI734448
 VERSION AI734448.1 GI:5055561
 KEYWORDS EST.
 SOURCE Zea mays.
 ORGANISM Zea mays
 Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae; Andropogoneae; Zea.
 REFERENCE 1 (bases 1 to 582)
 AUTHORS Walbot, V.
 TITLE Maize ESTs from various cDNA libraries sequenced at Stanford University
 JOURNAL Unpublished (1999)
 COMMENT Contact: Walbot V
 Department of Biological Sciences
 Stanford University
 855 California Ave, Palo Alto, CA 94304, USA
 Tel: 650 723 2227
 Fax: 650 725 8221
 Email: walbot@stanford.edu
 Plate: 606031 row: E column: 07.
 FEATURES
 source Location/Qualifiers
 1..582
 /organism="Zea mays"
 /cultivar="Ohio43"
 /db_xref="taxon:4577"
 /clone_lib="606 - Ear tissue cDNA library from Schmidt lab"
 /tissue_type="mixed"
 /dev_stage="ear length from 0.5 cm - 2.0 cm"
 /lab_host="XL0LR (Stratagene)"
 /note="Organ: immature ear; Vector: pBK-CMV; Site_1: EcoRI; Site_2: XhoI; Mixed ear tissue cDNA library from Schmidt lab"
 BASE COUNT 158 a 131 c 122 g 170 t 1 others
 ORIGIN

Wed May 9 10:01:21 2001

us-09-619-643-5.rst

Query Match 99.0%; Score 329.8; DB 24; Length 582;
 Best Local Similarity 99.4%; Pred. No. 1.5e-84;
 Matches 331; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      1  tgataatcttgtccatccttgaaacgaggggtccacttgggctctttaagggcgcatcc 60
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Db    487  TGATAATCTTGTCCATCCTTGAAACGAGGGTCCCCTTGGGCTCTTTAAGGGCGGATCC 428

Qy      61  ccggtctcttctggattgctcctcttggagcaatgaactttgcaggctatgagcttgcca 120
      |||
Db    427  CCGGCTTCTTCTGGATTGCTCCTCTTGAGCAATGAACCTTGACGGCTATGAGCTTGCCA 368

Qy     121  agaaggcaatgataaaagatgagaaaaattccagtggatcaacacgagagatcttgccaa 180
      |||
Db    367  AGAAGGCAATGATAAAAGATGAGAAAAATTCAGTGAGTCAACACGAGAGATCTTGCCAA 308

Qy     181  gaaagcagtgatcaaccatgcaacttttttattttattttgggtccatgttcagagaa 240
      |||
Db    307  GAAAGCAGTGATCAACCATGCAACTTTTTTATTTTATTTTGGGTCCATGTTGCAGAGAA 248

Qy     241  gcaacagaaacatctgccttttttgatattgggaattacattcccgtagggccttgagat 300
      |||
Db    247  GCAACAGAAACATCTGCCTTTTTTGTATTTGGGAATTACATCCCGTAGGGCCTTGAGAT 188

Qy     301  ggctgtatagtatacattacatgagaaaagtgc 333
      |||
Db    187  GGCTGTATAGTATACATTACATGAGAAAAGTGC 155

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